

O I P E
MAY 24 2004
PATENT & TRADEMARK OFFICE
U.S.

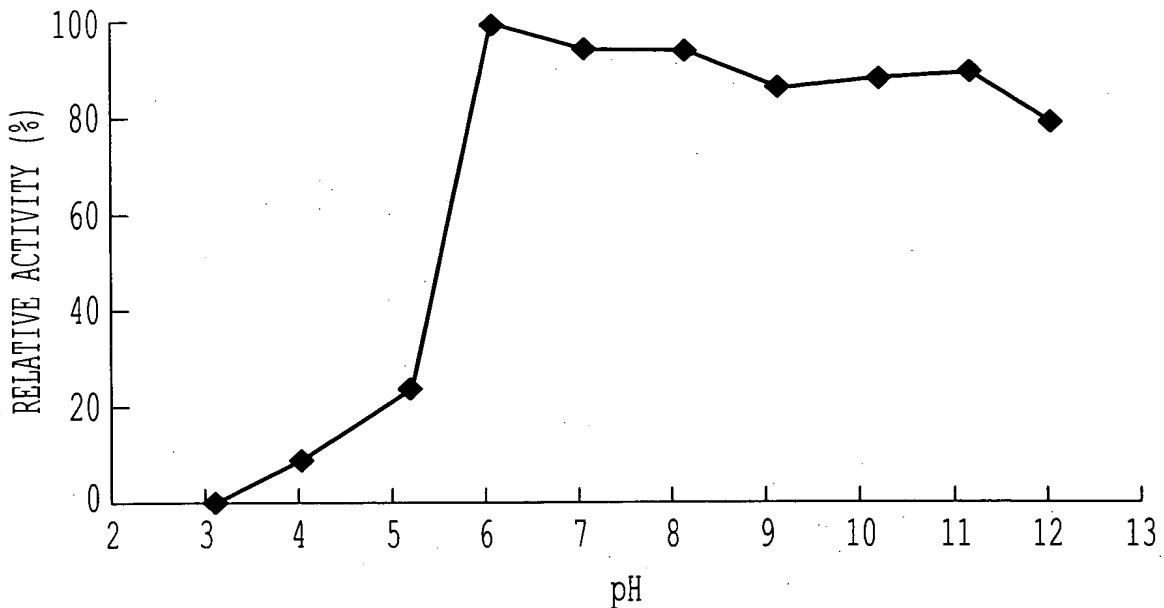


FIG. 1

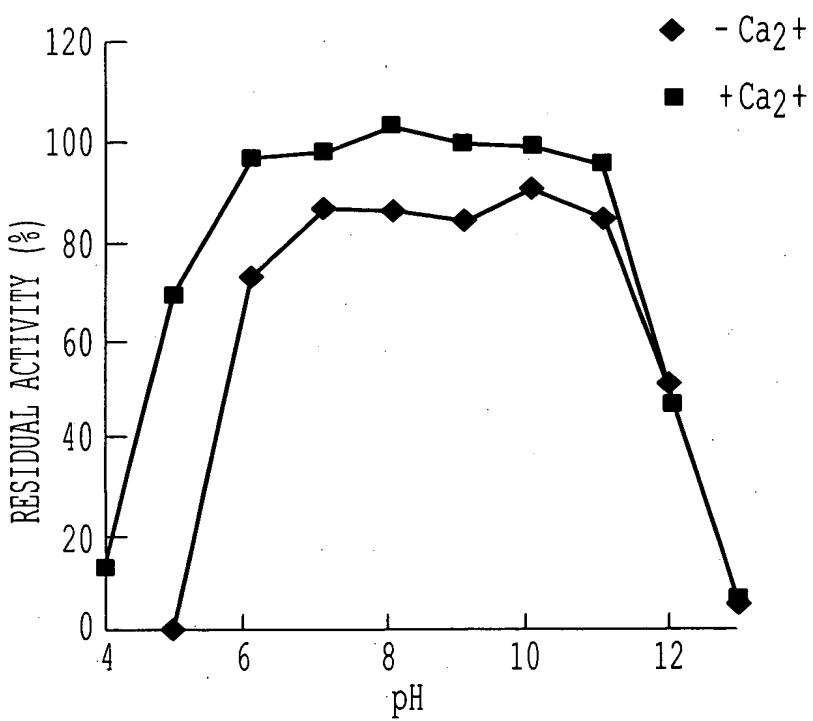


FIG. 2

O I P E
MAY 24 2004
SC99

OBLON ET AL (703) 413-3000
DOCKET # 211381USOCONT
INV. Mikio TAKAIWA, ET AL.
USSN 09/920,954
Reply to N.O.A. DATED February 24, 2004
REPLACEMENT DRAWINGS

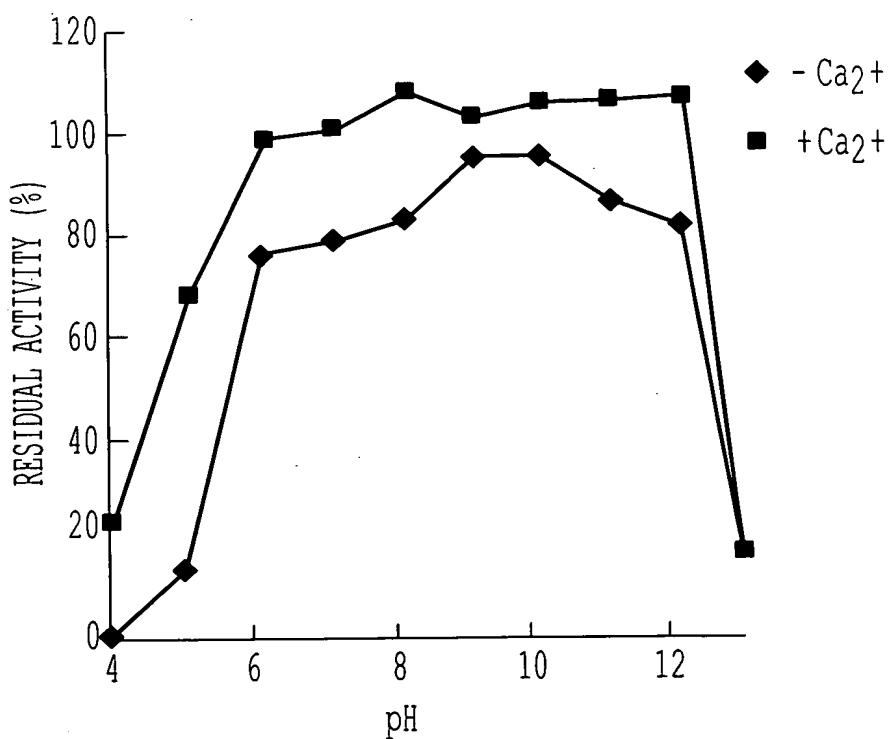


FIG. 3

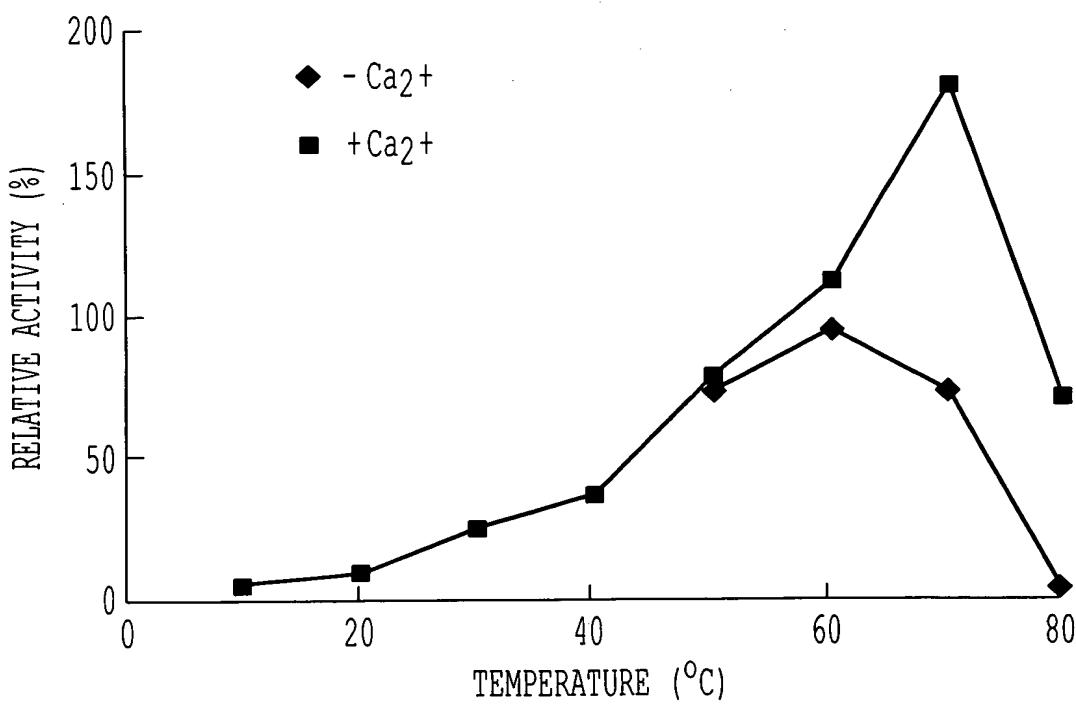


FIG. 4

O I P E
MAY 24 2004
REPLACEMENT DRAWINGS

OBLON ET AL (703) 413-3000
DOCKET # 211381US0CONT
INV. Mikio TAKAIWA, ET AL.
USSN 09/920,954
Reply to N.O.A. DATED February 24, 2004
REPLACEMENT DRAWINGS

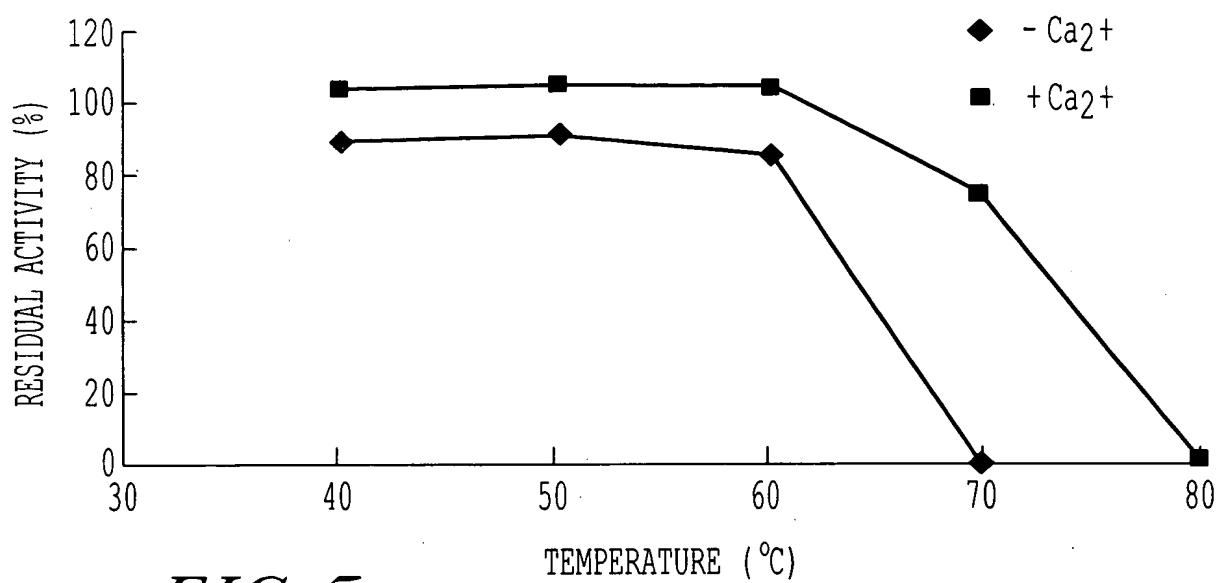


FIG. 5

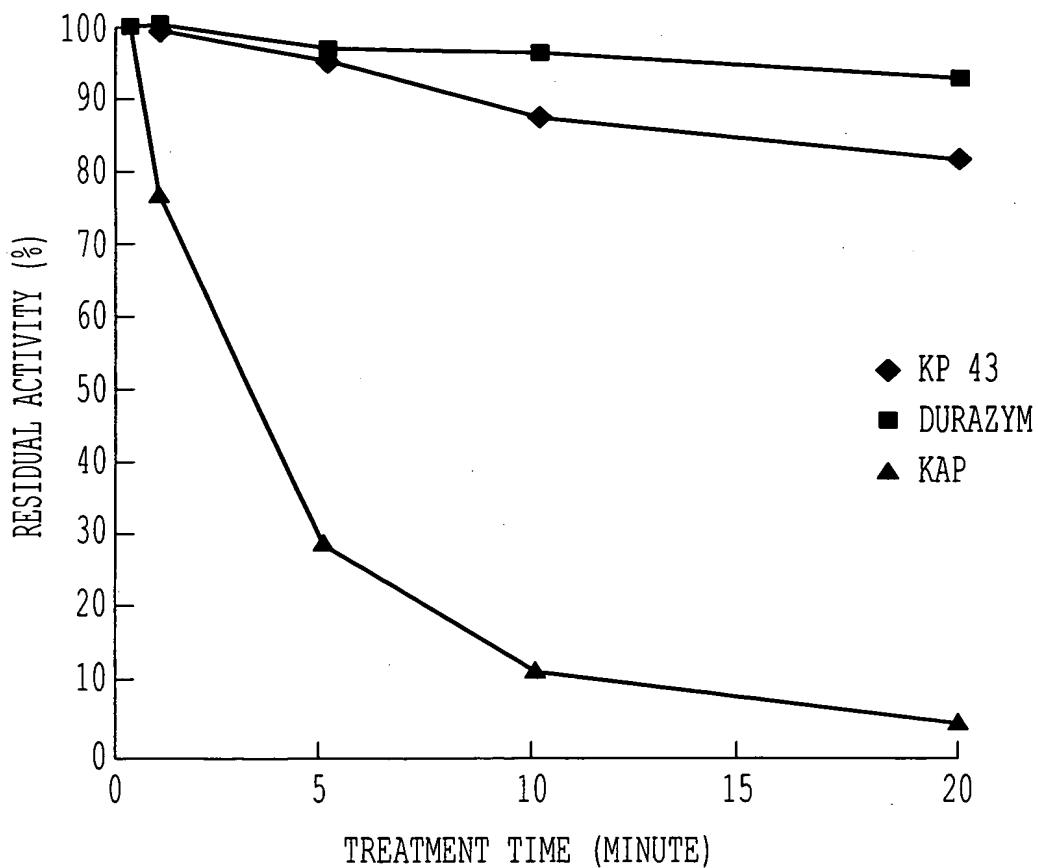


FIG. 6 STABILITY TO AN OXIDANT (50mM H_2O_2)



OBLON ET AL (703) 413-3000
DOCKET # 211381US0CONT
INV. Mikio TAKAIWA, ET AL.
USSN 09/920,954
Reply to N.O.A. DATED February 24, 2004
REPLACEMENT DRAWINGS

N-terminal sequence of KP-9860 protease

NDVARHIVKADVAQSSYGLY

N-terminal sequence of 15kDa
partially degraded product

GIVKADVAQSSYGL

N-terminal sequence of 18kDa
partially degraded product

IKPDVMAPGTYIL

N-terminal sequence of 25kDa
partially degraded product

NAITVGATENLRPSFGSYAD

N-terminal sequence of 28kDa
partially degraded product

KNDMVILFAAGNEGPN

FIG. 7

O 15 E
MAY 24 2004
JCB
REPLACEMENT DRAWINGS

OBLON ET AL (703) 413-3000
DOCKET # 211381US0CONT
INV. Mikio TAKAIWA, ET AL.
USSN 09/920,954
Reply to N.O.A. DATED February 24, 2004
REPLACEMENT DRAWINGS

I V K A D V A Q

9860-N2 5' ATT GTT AAA GCT GAT GTT GCT CAA 3'
 C C G C C G C G
 A A A A A A
 G G G G G G

9860-18k-RV 3' TAT TTT GGT CTA CAT TACN CGT GG 5'
 A C C G C C
 G A A A A A
 G G G G G G

I K P D V M A P

9860-18k 5' ATT AAA CCT GAT GTT ATG GCT CC 3'
 C G C C C C
 A A A A A A
 G G G G G G

9860-25k-RV 3' TTA CGT TAT TGT CAT CCT CGT TGT 5'
 G C A C C C C C
 A G A A A A A A
 G G G G G G G G

N A I T V G A T E N

9860-25k 5' ATT ACT GTT GGT GCT ACT GAA AA 3'
 C C C C C C G
 A A A A A A
 G G G G G G

9860-28k-RV 3' TTA CTA TAC CAT TAT AAT AAA CG 5'
 G G C A G C G
 A G A
 G G G

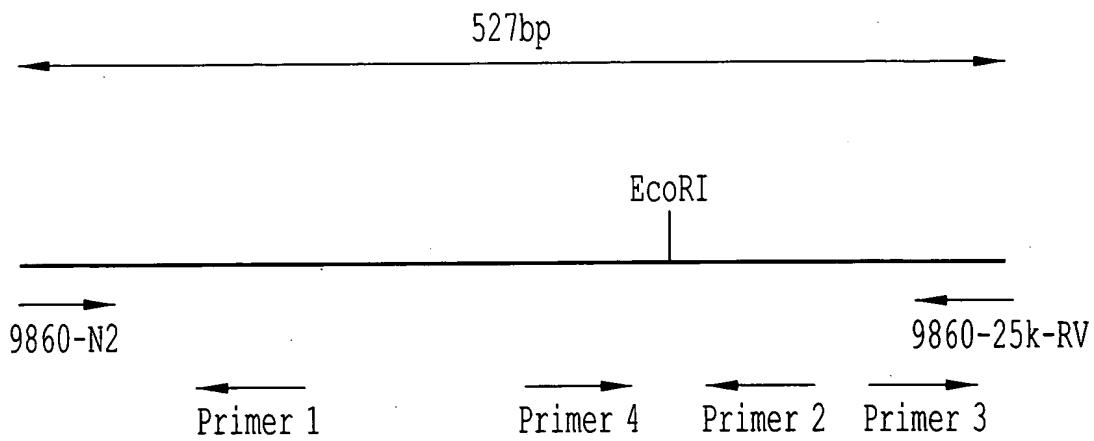
N D M V I L F A

9860-28k 5' AAT GAT ATG GTT ATT TTT TTT GC 3'
 C C C C C C C
 A A A A
 G G G G

FIG. 8



OBLON ET AL (703) 413-3000
DOCKET # 211381US0CONT
INV. Mikio TAKAIWA, ET AL.
USSN 09/920,954
Reply to N.O.A. DATED February 24, 2004
REPLACEMENT DRAWINGS



Primer 1: TCGGCAACTGCGACAATCTGG

Primer 2: TCTGGAATCTGTCGTGTAGGC

Primer 3: AACGGCGGTACCATCAGTGC

Primer 4: GGAGGGCTTGCCTTCCAATCTG

FIG. 9